



DEPARTMENT OF WATER RESOURCES  
EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

TRANSPORTATION SURVEYOR (CALTRANS)  
OPEN CONTINUOUS

FINAL FILING DATE

CONTINUOUS TESTING

Application forms (STD 678) may be mailed or filed in person and will be accepted on a continuous basis. Faxed or photocopied applications must be followed by an application with an original signature in order to be accepted into the exam.

HOW TO APPLY

Submit applications to:

Department of Water Resources  
P.O. Box 942836  
1416 9th Street, Room 320  
Sacramento, CA 94236-0001

Applications may be delivered in person to the street address above.

DO NOT SUBMIT APPLICATIONS TO THE STATE PERSONNEL BOARD

IDENTIFICATION  
REQUIRED

Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.

SPECIAL TESTING  
ARRANGEMENTS

If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.

SALARY RANGE

Range A: \$3744 - \$4548  
Range B: \$4394 - \$5337  
Range C: \$5035 - \$6116  
Range D: \$5633 - \$6844

ALTERNATE RANGE  
CRITERIA

Range A: This range shall apply to persons who do not meet the criteria for Range B or Range C or Range D.

Range B: This range shall apply to persons who have either:

- 1. In State service, satisfactorily completed one year of experience performing duties equivalent to a Transportation Surveyor (Caltrans), Range A. or
- 2. Two years of professional surveying experience outside State service. And

Graduation from a four-year curriculum in Surveying, Surveying Engineering, or Surveying Geomatics accredited by the Accreditation Board for Engineering Technology. (Possession of a valid certificate as a Land Surveyor in Training issued or accepted by the California Board of Registration for Professional Engineers and Land Surveyors or possession of a valid certificate as an Engineer in Training accepted by the California Board of Registration for Professional Engineers and Land Surveyors in lieu of a certificate as a Land Surveyor in Training may be substituted for the required education.)

Range C: This range shall apply to persons who have either:

- 1. In State service, completed two years of experience performing duties equivalent to a Transportation Surveyor (Caltrans), Range B. or
- 2. In State service, completed one year of experience performing duties equivalent to a Transportation Surveyor (Caltrans), Range B. And

Successful completion of the Transportation Surveyor Academy. Or

- 3. Three years of professional surveying experience outside State service. And

Graduation from a four-year curriculum in Surveying, Surveying Engineering, or Surveying Geomatics accredited by the Accreditation Board for Engineering Technology. (Possession of a valid certificate as a Land Surveyor in Training issued or accepted by the California Board of Registration for Professional Engineers and Land Surveyors or possession of a valid certificate as an Engineer in Training accepted by the California Board of Registration for Professional Engineers and Land Surveyors in lieu of a certificate as a Land Surveyor in Training may be substituted for the required education.)

Range D: This range shall apply to persons who:

Possess a valid California Land Surveyors License issued by the California Board of Registration of Professional Engineers and Land Surveyors. (A certificate of registration as a Civil Engineer issued by the California Board of Registration for Professional Engineers and Land Surveyors prior to January 1, 1982 satisfies this requirement.)

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

TRANSPORTATION SURVEYOR (CALTRANS) OPEN		CONTINUOUS	
ELIGIBLE LIST INFORMATION		An eligible list has been established for this classification for the Department of Water Resources. Names of successful competitors will be merged onto the list in order of final score, regardless of date. Eligibility will expire after 18 months.	
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION		<p>Graduation from a four-year curriculum in surveying, surveying engineering, or surveying geomatics accredited by the Accreditation Board for Engineering Technology. (Registration as a "Senior" in such a curriculum will admit an applicant to the competition, but applicants must produce evidence of graduation before being considered eligible for appointment.)</p> <p>(Possession of a valid certificate as a Land Surveyor in Training issued or accepted by the California Board of Registration for Professional Engineers and Land Surveyors or possession of a valid certificate as an Engineer in Training accepted by the California Board of Registration for Professional Engineers and Land Surveyors in lieu of a certificate as a Land Surveyor in Training may be substituted for the required education.)</p>	
POSITION DESCRIPTION		<p>The Transportation Surveyor is the entry, first working, and journey level of professional survey work. Under the direction of a licensed land surveyor, incumbents perform a wide variety of professional land surveying work in either an office or field setting; as incumbents progress in experience, they will be assigned more difficult work and may function as a lead person over activities of various surveying and technical personnel in the office or field. At the journey level and with a license, the incumbent will work in a responsible charge capacity.</p> <p><i>Positions exist statewide with the Department of Water Resources.</i></p>	
EXAMINATION INFORMATION		<p>Testing is considered continuous as applications will be accepted at any time, and examination dates can be set at any time and the eligible lists are merged by the Department of Water Resources.</p> <p>Competitors may only test once during an 18-month period.</p> <p>This examination will consist of a <b>Qualifications Appraisal Interview - Weighted 100%</b>. In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in each phase of the examination as well as a minimum overall rating of 70.00%.</p>	
SCOPE OF EXAMINATION		<p><b>Qualifications Appraisal Interview – Weighted 100%</b></p> <p>In addition to evaluating the competitor's relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining interview will be on measuring competitively, relative to job demands, each competitor's:</p> <p><b>A. Knowledge of:</b></p> <ol style="list-style-type: none"><li>1. Fundamental surveying, mathematics, and basic science as applied to surveying.</li><li>2. Methods of precise survey measuring.</li><li>3. Use and adjustment of precision surveying instruments.</li><li>4. Procedures, equipment, and materials used in surveying, including conventional and state of the art.</li><li>5. Mapping and drafting techniques.</li><li>6. Mathematics and procedures used in plane and geodetic surveying.</li><li>7. Computer applications and usage, including CAD software.</li><li>8. The California Coordinate System.</li><li>9. Safe surveying practices.</li><li>10. Photogrammetric mapping procedures.</li><li>11. Principles and practices of boundary determination, land title research, and surveying.</li><li>12. Legal descriptions of real property.</li><li>13. Methods and terminology used in searching for land titles and factors involved in determining ownership of property.</li><li>14. Real property acquisition and mapping laws pertaining to public and private ownership of real property.</li><li>15. Monumentation of facilities.</li><li>16. The Land Surveyors' Act.</li><li>17. The Subdivision Map Act.</li><li>18. Factors which influence the impact of departmental projects.</li><li>19. Planning, design, construction, and right of way procedures and policies as they relate to surveys.</li></ol> <p><b>B. Ability to:</b></p> <ol style="list-style-type: none"><li>1. Perform the less complex field and office surveying work.</li><li>2. Make precise survey measurements.</li><li>3. Interpret legal descriptions of real property.</li><li>4. Make and interpret the less difficult survey calculations.</li><li>5. Apply and utilize the principles of the California Coordinate System.</li><li>6. Research, analyze, check, and adjust survey data.</li><li>7. Research and compile evidence and documentation for boundary determination.</li><li>8. Assist in planning, directing, and coordinating the work of a group of survey or right of way engineering personnel.</li><li>9. Map and draft control, Boundary, and topographic drawings.</li><li>10. Analyze situations accurately and take effective action.</li><li>11. Prepare clear and concise reports and correspondence.</li><li>12. Write property descriptions and prepare legal land documents and descriptions.</li><li>13. Operate precise surveying instruments (conventional and state of the art).</li><li>14. Establish and maintain friendly, business-like relations with those contacted in the course of the work.</li><li>15. Communicate effectively.</li><li>16. Draw sketches and diagrams showing details of Boundary, control monuments and specific topographic details as they exist in the field.</li></ol>	
VETERANS PREFERENCE		<p><b>Veterans Preference Credit</b> will be added to the final score of all competitors who are successful in this examination and who qualify for, and have requested these points through the State Personnel Board. Due to changes in the law effective January 1, 1996, VETERANS WHO HAVE ACHIEVED PERMANENT CIVIL SERVICE STATUS ARE NOT ELIGIBLE TO RECEIVE VETERANS' CREDITS.</p>	

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GENERAL INFORMATION

**The Department of Water Resources** reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

**It is the candidate's responsibility** to contact the Recruitment and Selection Services Section of the Department of Water Resources, (916) 653-4838 three weeks after the final filing date if he/she has not received a progress notice.

**Applications** are available at Department of Water Resources' offices, local offices of the Employment Development Department, the State Personnel Board, and the SPB web site: [www.spb.ca.gov](http://www.spb.ca.gov).

**If you meet the requirements** stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. Your performance in the examination described on this bulletin will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

**General Qualifications:** Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

**Examination Locations:** When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

**If a candidate's notice** of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.

**Interview Scope:** When an interview is conducted, in addition to the scope described on this bulletin, the panel will consider education, experience, personal development, personal traits, ability and fitness. In appraising experience, more weight will be given to the breadth and recency of pertinent experience and evidence of the candidate's ability to accept and fulfill increasing responsibilities than to the length of his/her experience. Evaluation of a candidate's personal development will include consideration of his/her recognition of his/her own training needs; his/her plans for self-development; and the progress he/she has made in his/her efforts toward self-development.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

**Veterans Preference:** California law allows granting of veterans points in open entrance examinations and open nonpromotional examinations. Credit in **open entrance examinations** is granted as follows: 10 points for veterans, widows, and widowers of veterans, and spouses of 100% disabled veterans; and 15 points for disabled veterans. Credit in **open nonpromotional examinations** is granted as follows: 5 points for veterans; and 10 points for disabled veterans. Directions for applying for veterans preference points are on the Application for Veterans Preference form (SPB-1093) which is available from State Personnel Board offices, written test proctors, and the Department of Veterans Affairs, P.O. Box 942895, Sacramento, CA 94295-0001.

**Devices for Communications Impairment**

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. TDD: (916) 653-1804; California Relay Service: 1-800-735-2929 (TDD); 1-800-735-2922 (Voice)

**For information** regarding this examination, please call Gwyn Johnson at (916) 653-7109.

O (Rev. 5/07)

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